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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

28

Application Number	10/531,848
Filing Date	October 29, 2003
First Named Inventor	Guoliang Fu
Art Unit	Unassigned
Examiner Name	Unassigned

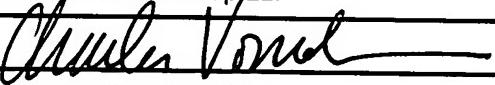
Attorney Docket Number

TRIM K05013US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally under 37 CFR 1.137(b); One (1) Replacement Sheet of Fig. 11; copy of Raw Sequence Listing Error Report; Paper copy of Sequence Listing; and Return Receipt postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input checked="" type="checkbox"/> CD, Number of CD(s) <u>1</u>	
<input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Pabst Patent Group LLP		
Signature			
Printed name	Charles Vorndran, Ph.D.		
Date	September 12, 2006	Reg. No.	45,315

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	– See Certificate of Mailing Under 37 C.F.R. 1.10 –		
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2006

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

750.00

Complete if Known

Application Number	10/531,848
Filing Date	October 29, 2003
First Named Inventor	Guoliang Fu
Examiner Name	Unassigned
Art Unit	Unassigned
Attorney Docket No.	TRIM K05013US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 50-3129 Deposit Account Name: Pabst Patent Group LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity Fee (\$)	Fee (\$)
- 20 or HP =	x	=		50	25

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=				

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		=

4. OTHER FEE(S)

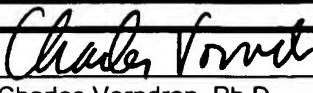
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Petition for Revival -- Unintentional Abandonment

Fees Paid (\$)

\$750.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 45,315	Telephone 404-879-2153
Name (Print/Type)	Charles Vorndran, Ph.D.		Date September 12, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S.S.N: 10/531,848

Filed: 29 October 2003

**Response to Notice of Abandonment and Notification of
Missing Requirements under 35 U.S.C. 371 in the United
States Designated/Elected Office (DO/EO/US) and
Preliminary Amendment**

CERTIFICATE OF MAILING UNDER 37 CFR §1.10

I hereby certify that this **Response to Notice of Abandonment and Notification of
Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office
(DO/EO/US) and Preliminary Amendment**, and any documents referred to as attached therein,
are being deposited with the United States Postal Service on this date, September 12, 2006, in an
envelope as "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Mailing Label
Number EV 800521808 US, addressed to Mail Stop PCT, Attn: PCT Legal, Commissioner for
Patents, P. O. Box 1450, Alexandria, VA 22313-1450.



Carla Stone

Date: September 12, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Guoliang Fu

Serial No.: 10/531,848

International
Application No. PCT/GB2003/004794 I.A. Filing Date: October 29, 2003

For: *COMBINED EXPONENTIAL AND LINEAR AMPLIFICATION*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE OF ABANDONMENT AND NOTIFICATION OF MISSING
REQUIREMENTS UNDER 35 U.S.C. § 371 IN THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US) AND PRELIMINARY AMENDMENT**

Sir:

Responsive to the Notification of Missing Requirements Under 35 U.S.C. § 371 mailed in connection with the above-identified application on November 28, 2005, and to the Notice of Abandonment mailed on August 24, 2006, please amend the application as follows and consider the enclosed documents. In compliance with 37 CFR §§ 1.821-1.825, Applicant encloses a paper copy (4 pages) of the Sequence Listing as well as a compact disc containing a computer readable form of the Sequence Listing for the above-referenced application. Applicant also encloses a copy of the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures dated August 15, 2006, and a Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 CFR § 1.137(b). Applicant also encloses one (1) replacement sheet with amended Figure 11.

U.S.S.N: 10/544,320

Filed: January 5, 2004

**RESPONSE TO NOTICE OF ABANDONMENT AND
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. § 371**

The Commissioner is hereby authorized to charge the petition fee of \$750.00 for a small entity to Deposit Account No. 50-3129.

It is believed that no additional fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 50-3129.

In the Specification

Please amend the specification to insert the enclosed written sequence listing after the abstract.

Please replace the paragraph on page 39, lines 14-24 with the following paragraph.

Oligonucleotide probe: The ART probe and its target sequence beta-actin gene are illustrated on a map in Fig. 11. The ART probe is

5'dCCGGAGACGTCGTTGTAGCTAGCCTGCGTsAACAAGCCsGGCTTGCACATGCCG
GAGACGTCGTTGP-3'(SEQ ID NO:1). The italicized nucleotides are the HinCII (between 28 to 33) and NaeI (between 36 to 41) recognition sites and the underlined nucleotides (15 bases of 3' and 5' end) are template sequences. "s" denotes phosphororthioate linkage. "p" represents 3' phosphate. The substrate probe is an RNA/DNA chimeric oligonucleotide 5'-dCCGGAGACGauGCGTCAp-3' (SEQ ID NO:2), the lower cases is are RNA base bases. 6-carboxyfluorescin (FAM) is incorporated at nucleotide 7 and the quencher 4-(4'-dimethylaminophenylazo)benzoic acid (DABCYL) is incorporated at nucleotide 13 from the 5' end.

U.S.S.N: 10/544,320

Filed: January 5, 2004

**RESPONSE TO NOTICE OF ABANDONMENT AND
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. § 371**

In the Drawings

Please replace Figure 11 with the enclosed replacement Figure 11.

**RESPONSE TO NOTICE OF ABANDONMENT AND
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. § 371**

Declaration under 37 C.F.R. § 1.821(f)

I declare that the material on the compact disc is identical to the paper copy of the Sequence Listing, and the sequences as originally filed in the application, that the Sequence Listing does not add new matter to the application, and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Remarks

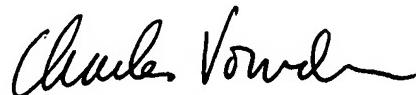
The specification has been amended to insert the enclosed written sequence listing into the specification. The specification has also been amended to italicize the appropriate sequences in SEQ ID NO: 1, and correct grammatical errors. Figure 11 has been amended to include sequence identifiers. No new matter is introduced. Applicants filed a response to the Notice to Comply with Missing Requirements Under 35 U.S.C. § 371 on May 25, 2006, together with a petition for a four month extension of time and the fee of \$795.00. On August 24, 2006, a Notice of Abandonment was mailed to Applicants indicating the application had gone abandoned because the computer readable sequence listing did not comply with the sequence listing rules. Applicants believe the enclosed computer readable sequence listing and written sequence listing is in compliance with 37 C.F.R § 1.821(e), and the specification is in compliance with 37 C.F.R § 1.821-1.825 and all filing requirements have been met. Applicants respectfully request revival of the application.

**RESPONSE TO NOTICE OF ABANDONMENT AND
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. § 371**

Change in Attorney Docket Number

The attorney docket number for this application has changed. The new attorney docket number is TRIM K05013US. Applicants respectfully request that the new attorney docket number be used on future correspondence.

Respectfully submitted,



Charles Vorndran
Reg. No. 45,315

Dated: September 12, 2006

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